

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

1011 N. GRANDVIEW AVENUE

GLENDALE, CA 91201

18) 551-2800

**M E M O R A N D U M**

TO: Michelle McKibben
Planning & Policy Unit
Site Mitigation Program

FROM: Gloria Gallardo
Site Mitigation Branch
Region 3

DATE: September 12, 1994

SUBJECT: REMEDIAL ACTION CERTIFICATION FORM - SOUTHERN CALIFORNIA
GAS COMPANY, SANTA BARBARA

Attached is the Certification package for the So. Cal. Gas. Co., Santa Barbara site. All remedial activities, pursuant to the RAP, have been completed, however, the site will require O&M. The completion date of 07/18/94 has been entered into Calsites (Historical/Comments) and represents completion of the specified AWP activity. If you have any questions, please contact me.

Attachments

REMEDIAL ACTION CERTIFICATION FORM

1. Site Name and Location: (Street address, County, City and Assessor's parcel number)

Santa Barbara Manufactured Gas Plant Site, 630 East Montecito Street, Santa Barbara, California 93102

- A. List any other names that have been used to identify sites:

N/A

- B. Address of site if different from above: N/A

- C. Assessor's Parcel Number: 65-050-29

2. Responsible Parties:

Name: Mary Howard, M.L. 27D1 Name: Mr. Ron Jensen

Title: Project Administrator Title: Environmental Specialist

Firm: Southern CA Gas Company Firm: Southern CA Edison Co.

Address: 555 West Fifth Street Address: 2244 Walnut Grove Ave.

City: Los Angeles City: Rosemead

Zip: 90013-1011 Zip: 91770

Telephone: (213) 244-5928 Telephone: (818) 302-5967

Relationship to Site:

Current Landowner/Operator Southern CA Gas Company

3. Brief Description and History of the Site:

The approximately 2 1/4-acre facility is in an area which is a mixture of light industrial, commercial, and residential properties. The Site was originally used for Santa Barbara's first electric street railway system, but starting in 1901, a series of utilities operated manufactured gas plant facilities on the Site. The plant was converted from a carbureted water gas facility to the oil gas process in 1910. The major by-products from this process were lamp-black, tar and light oil. Polyaromatic hydrocarbons (PAHS), which are compounds associated with the gas plant by-products were encountered on the Site. Excavation and thermal desorption

were selected as the cleanup alternatives.
On-site cleanup levels of 42 mg/kg and off-site cleanup
levels of 0.22 mg/kg were adopted and met for carcinogenic
PAHs.

4. Type of Site:

Included in Bond Expenditure Plan?

Yes x No

RCRA-Permitted Facility NO Bond - funded NO

RCRA Facility Closure NO RP - funded YES

*NPL NO

Federal Facility NO

Other (i.e. walk-in): Explain Briefly:

5. Size of Site: (Based on Expenditure Plan definition of size)

Small Medium X Large Extra Large

6. Dates of Remedial Action

A. Initiated 10/25/93 B. Completed 01/17/94

7. Response Action Taken on Site:

 Initial Removal or Remedial Action (site inspection/
sampling)

x Final Remedial Action

 RCRA enforcement/closure action

 No action, further investigation verified that no cleanup
action at site was needed.

A. Type of Remedial Action

Excavation/thermal desorption of PAHs and benzene con-
taminated soils, and off-site disposal of lead con-
taminated soils.

B. Estimated quantity of waste associated with the site.

1. x treated Amount: 6,800 tons

2. untreated (capped sites) Amount:

3. x removed Amount: 4,000 tons

*Per SARA, any NPL site that is not permanently cleaned must be
scheduled for a follow-up visit after 5 years to verify that
cleanup measures are still satisfactory.

8. Cleanup Levels/Standards

- A. What were the cleanup standards established by DTSC pursuant to the final remedial action plan (RAP) or workplan (if cleanup occurred as the result of a removal action (RA) or interim remedial measures (IRM) prior to development of a RAP)?
Onsite 42 mg/kg and off-site 0.22 mg/kg PAHs.
- B. Were the specified cleanup standards met? Yes x No ____
- C. If "no", why not: _____

9. DTSC Involvement in the Remedial Action:

- A. Did the Department order the Remedial Action?
Yes x No ___ Date of Remedial Action Order 10/15/90
- B. Did the Department review and approve (check appropriate action and indicate date of review/approval if done):
x Sampling & Analysis Procedures Date 3/31/93
x Health & Safety Protections Date 3/31/93
x Removal/Disposal Procedures Date 3/31/93
x Removal Action Plan Date 3/31/93
- C. If site was abated by a responsible party, did the Department receive a signed statement from a licensed professional on all Remedial Actions?
Yes x No ___ Dates (from) _____ (to) _____
- D. Did a registered engineer or geologist verify that acceptable engineering practices were implemented?
Yes x No ___ Name Mark Schultheis Date Verified 03/18/94
- E. Did the Department confirm completion of all Remedial Actions?
Yes x No ___ Date of Verification 04/01/94
(i.e. manifest, sampling, demonstrated installation and operation of treatment)
- F. Did the Department (directly or through a contractor) actually perform the Remedial Action?
Yes ___ No x Name of Contractor: _____
- G. Was there a community relations plan in place?
Yes x No ___
- H. Was a remedial action plan developed for this site?
Yes x No ___
- I. Did Department hold a public meeting regarding the draft RAP? Yes x No ___
- J. Were public comments addressed?
Yes x No ___

K. Are all of the facts cited above adequately documented in the Department files? Yes x No

10. EPA Involvement in the Remedial Action:

A. Was the EPA involved in the site cleanup? Yes No x

B. If yes, did EPA concur with all remedial actions?
Yes No

11. Other Regulatory Agency Involvement in the Cleanup Action:

Agency:

Activity:

 x RWQCB
 ARB
 CHP
 CalTrans
 x Other

Contact: Mr. Frank DeMarco

Name of contact person(s) and agency: _____

Santa Barbara County Air Pollution Control District (SBCAPCD)
Contact: Mr. Jeff Carmody; Santa Barbara County Environmental
Health Services Department (SBCEHSD); SMU/LUFT Programs; Santa
Barbara County Department of Public Works, Contact: Mr. Bill
Tracy.

12. Post-Closure Activities:

A. Will there be post-closure activities at this site?
Yes x No

If yes, describe: Well monitoring, well closure.

B. Have post-closure plans been prepared and approved by the Department? Yes No x

C. What is the estimated duration of post-closure (including operations and maintenance activities? 2 years.

D. Have deed restrictions been recorded with the County recorder? Yes No x ? The deed restriction language is being negotiated.

E. Has cost recovery been initiated? Yes x No
If yes, amount received \$10,518.87; % of DTSC costs.

F. Were local planning agencies notified of the cleanup action?

Yes x No If yes, the name and address of agency:

County of Santa Barbara

Energy Division, Resource Management Department

1226 Anacapa Street, Santa Barbara, California 93101

13. Expenditure of Funds and Source:

(Information to be supplied by DTSC Accounting Unit.)

Funding Source and amount expended:

_____	HWCA	\$ _____	_____	HSA	\$ _____
_____	HSCF	\$ _____	_____	RCRA	\$ _____
<u> x </u>	RP	\$1,699,005.00	_____	Other	\$ _____
_____	Federal Cooperative Agreement	\$ _____			

14. Certification Statement: Based upon the information which is currently and actually known to the Department,

 x The Department has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary.

_____ The Department has determined, based upon a remedial investigation or site characterization that the site poses no significant threat to public health, welfare or the environment and therefore implementation of removal/remedial measures is not necessary.

 x The Department has determined that all appropriate removal/remedial actions have been completed and that all acceptable engineering practices were implemented; however, the site requires ongoing operation and maintenance (O&M) and monitoring efforts. The site will be deleted from the "active" site list following (1) a trial operation and maintenance period and (2) execution of a formal written settlement between the Department and the responsible parties, if appropriate. However, the site will be placed on the Department's list of sites undergoing O&M to ensure proper monitoring of long-term clean-up efforts.

15. Certification of Remedial Action:

I hereby certify that the foregoing information is true and correct to the best of my knowledge.

1. Gabriel J. Farkas, Ph.D. 07/14/1994
Dr. Gabriel Farkas, Project Manager Date

2. Harlan R. Jech 14 JUL 94
Harlan R. Jech, Unit Chief Date
Site Mitigation Branch

3. Hamid Saebfar 7/18/94
Hamid Saebfar, Chief Date
Site Mitigation Branch, Regions 3 & 4

REMEDIAL ACTION CERTIFICATION FORM
TRANSMITTAL SHEET

SANTA BARBARA MANUFACTURED GAS PLANT SITE

Name of hazardous waste site or RCRA facility

Gabriel J. Farkas, PhD.

Dr. Gabriel Farkas, Project Manager

07/14/1994

Date

Harlan R. Jeche

Harlan R. Jeche, Unit Chief
Site Mitigation Branch

14 JUL 94

Date

Hamid Saebfar

Hamid Saebfar, Chief
Site Mitigation Branch
Regions 3 & 4

7/18/94

Date

Please return completed Certification Form to:

____ Chief, HQ Site Mitigation Planning and Policy Unit

CERTIFICATION REPORT

Name and Location of Site:

Southern California Gas Company, Santa Barbara. The facility is located in Santa Barbara County.

Address of Site:

630 East Montecito Street
Santa Barbara, California 93102

Date Project Initiated:

The Remedial Action Order was issued October 15, 1990

Date Project Certified:

July 18, 1994

Site Description/Contaminants:

The 2.25 acre facility is in an area which is a mixture of light industrial, commercial and residential properties. The Southern California Gas Company, Santa Barbara site (Site) was originally used for Santa Barbara's first electric street railway system, but starting in 1901, a series of utilities operated manufactured gas plant facilities on the Site. The plant was converted from a carbureted water gas facility to the oil gas process in 1910. The major by-products from this process were lampblack, tar and light oil. Polyaromatic hydrocarbons (PAHs), which are compounds associated with gas plant by-products, were encountered on-site.

Description of Removals and Remedial Actions:

Excavation and thermal desorption were selected as the cleanup alternatives. On-site cleanup levels of 42 mg/kg and off-site cleanup levels of .22 mg/kg were adopted and met for carcinogenic PAHs. Approximately 4,000 tons of contaminated soil were removed and 6,800 tons of contaminated soil were treated by thermal desorption.

Description of Problems Encountered:

N/A

Description of Unique Accomplishments:

This was the first time that thermal desorption was used at a manufactured gas plant site in

California. The thermal desorption technology proved successful and is now being implemented on a number of other "Gas Plant" sites in California.

Final Use of the Site:

Southern California Gas Company utilizes the Site as a base station for their operations. A deed restriction on a portion of the Site prevents any future residential uses.